PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office and "PCT International Application"		
	Applicant's or agent's		
Box No. I TITLE OF INVENTION			
Pyrozolidinedione derivatives			
Box No. II APPLICANT This person	is also inventor		
Name and address: (Family name followed by given name; for a legal entit The address must include postal code and name of country. The country of th Box is the applicant's State (that is, country) of residence if no State of residence		Telephone No.	
Actelion Pharmaceuticals Ltd.	,	Facsimile No.	
Gewerbestrasse 16			
CH-4123 Allschwil		Teleprinter No.	
Switzerland			
		Applicant's registration No. with the Office	
State (that is, country) of nationality:	State (that is, country)	of residence:	
This power is a still to	СН		
		the United States of America only the States indicated in the Supplemental Box	
Box No. III FURTHER APPLICANT(S) AND/OR (FURTH	ER) INVENTOR(S)		
Name and address: (Family name followed by given name; for a legal entiry. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence that the Applicant's Presidence if no State of residence i	address indicated in this e is indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)	
	1	Applicant's registration No. with the Office	
State (that is, country) of nationality:	State (that is, country)	of residence:	
FR	FR	and the state of t	
This person is applicant for the purposes of: all designated the United States all designated the United States		he United States the States indicated in the Supplemental Box	
Further applicants and/or (further) inventors are indicated on	a continuation sheet.	,	
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE			
The person identified below is hereby/has been appointed to act on of the applicant(s) before the competent International Authorities as	s: 🔼 a	gent common representative	
Name and address: (Family name followed by given name; for a legal entity, The address must include postal code and name of cou		Telephone No. +41 61 307 90 30	
BRAUN, André	 -	Facsimile No.	
Braun & Partner	i i	+41 61 307 90 39	
Reusstrasse 22		Feleprinter No.	
CH-4054 BAsel	Ī		
Switzerland	17	Agent's registration No. with the Office	
Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.			
space above is used distead to indicate a special address to wh	uch correspondence sho	ould be sent.	

Continue on the			
Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)		
If none of the following sub-boxes is used, this sheet should n			
Name and address: (Family name followed by given name; for a legal et The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of reside	the dadress indicated in this		
FRETZ, Heinz	applicant only		
Grenzacherweg 295	applicant and inventor		
CH-4125 Riehen	inventor only (If this check-box is marked, do not fill in below.)		
Switzerland	·		
0	Applicant's registration No. with the Office		
State (that is, country) of nationality:	State (that is, country) of residence:		
This percen is smallered	CH		
for the purposes of: States the United S	the United States of America only the States indicated in the Supplemental Box		
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of country. The country of the amiliarm's State that is country for the country of the amiliarm's State that is country for the country of the c	ity, full official designation. he address indicated in this		
Box is the applicant's State (that is, country) of residence if no State of resident HILPERT, Kurt	ace is indicated below.) applicant only		
Eichenstrasse 5	applicant and inventor		
CH-4114 Hofstetten	inventor only (If this check-hor		
Switzerland	is marked, do not fill in below.)		
	Applicant's registration No. with the Office		
State (that is, country) of nationality:	State (that is, country) of residence:		
This person is applicant for the purposes of: all designated the United St	d States except ates of America of America only the States indicated in the Supplemental Box		
Name and address: (Family name followed by given name; for a legal enti The address must include postal code and name of country. The country of th Box is the applicant's State (that is, country) of residence if no State of residenc	ty, full official designation. This person is:		
RIEDERER, Markus	applicant only		
Friedensstrasse 4	x applicant and inventor		
CH-4410 Liestal	inventor only (If this check-box		
Switzerland	is marked, do not fill in below.)		
	Applicant's registration No. with the Office		
State (that is, country) of nationality:	State (that is, country) of residence:		
СН	CH CH		
	tes of America only the Supplemental Box		
Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence	y, full official designation. This person is:		
GILLER, Thomas	applicant only		
Hauptstrasse 40	applicant and inventor		
CH-4451 Wintersingen	inventor only (If this check-box is marked, do not fill in below.)		
Switzerland			
	Applicant's registration No. with the Office		
State (that is, country) of nationality:	State (that is, country) of residence:		
This person is applicant for the purposes of: all designated the United States all designated the United States.	States except		
Further applicants and/or (further) inventors are indicated on another continuation sheet.			

Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

- If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which
 a special continuation box is provided, the space is insufficient
 to furnish all the information: in such case, write "Continuation
 of Box No...." (indicate the number of the Box) and furnish the
 information in the same manner as required according to the
 captions of the Box in which the space was insufficient, in
 particular:
- (i) if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. II" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. VI, there are more than three earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- 2. If the applicant intends to make an indication of the wish that the international application be treated, in certain designated States, as an application for a patent of addition, certificate of addition, inventor's certificate of addition or utility certificate of addition: in such a case, write the name or two-letter code of each designated State concerned and the indication "patent of addition," "certificate of addition," "inventor's certificate of addition," the number of the parent application or parent patent or other parent grant and the date of grant of the parent application (Rules 4.11 (a)(iii) and 49bis.1(a) or (b)).
- 3. If the applicant intends to make an indication of the wish that the international application be treated, in the United States of America, as a continuation or continuation-in-part of an earlier application: in such a case, write "United States of America" or "US" and the indication "continuation" or "continuation-in-part" and the number and the filing date of the parent application (Rules 4.11(a)(iv) and 49bis.1(d)).

Continuation of Box No. III: Applicant and Inventor for the United States of America only:

VALDENAIRE, Olivier Ochsengasse 18 CH-4123 Allschwil Switzerland

State of nationality: FR State of residence: CH

heet	No	4

Box No. V DESIGNA	TIONS			
The filing of this request co filing date, for the grant of	nstitutes under Rule 4.9(a), the every kind of protection avails	he designation of all Contable and, where applicable	racting States bound by t	he PCT on the international
However,	•	т, третополого	, tor the Brain of both fe	gional and national patents
DE Germany is not d	lesignated for any kind of nati	onal protection		
i —	a is not designated for any ki			
l —	on is not designated for any k			
(The check-boxes above may	v he used to exclude (irrevocab	lu) the designations source		
	er national application from w is in these and certain other St		rnea in order to avoid the See the Notes to Box No.	ceasing of the effect, under V as to the consequences o
Box No. VI PRIORITY	CLAIM			
The priority of the following	g earlier application(s) is hereb	y claimed:		
Filing date of earlier application	Number of earlier application	V	Vhere earlier application	is:
(day/month/year)	or carrer approaudi	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office
item (1) 24/06/2003	PCT/EP2003/006616			EP
item (2)	v			
item (3)				
Further priority claims	are indicated in the Supplemen	ntal Box		
The receiving Office is reque	ested to prepare and transmit to led with the Office which for th	the International Durage	a certified copy of the ear	lier application(s) (only if
		e purposes of this internati	ionai application is the re	eceiving Office) identified
all items ite				e Supplemental Box
* Where the earlier application Industrial Property or one Mo	on is an ARIPO application, inc ember of the World Trade Org	dicate at least one country canization for which that ed	party to the Paris Conver	ntion for the Protection of
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Box No. VII INTERNAT	IONAL SEARCHING AUTI	HORITY		
Choice of International Sea	rehing Authority (ISA) (if a		anahina Authoritica	
international search, indicate ISA / EP	the Authority chosen; the two-l	etter code may be used):	arcning Aumorities are c	competent to carry out the
	rlier search; reference to the	t search (if an earlier see	wah han han a	
mermational bearening Aumo	rity):	it scaren (ij an earner sea	ren nas been carriea oui	by or requested from the
Date (day/month/year) 01/12/2003	Number		y (or regional Office)	
Box No. VIII DECLARAT		P03/06616 EP	•	
check-boxes below and indica	are contained in Boxes Nos. V te in the right column the numb	III (i) to (v) (mark the app er of each type of declarat	olicable ion):	Number of declarations
Box No. VIII (i)	Declaration as to the identity			:
Box No. VIII (ii)	Declaration as to the applica date, to apply for and be gran	nt's entitlement, as at the i	international filing	
Box No. VIII (iii)	·			
Box No. VIII (iv)				
Box No. VIII (v)	Declaration as to non-prejud	icial disclosures or except	ions to lack of novelty	:
		· · · · · · · · · · · · · · · · · · ·		i

Box No. IX CHECK LIST; LANGUAGE	OF FILING	
This international application contains: (a) in paper form, the following number of sheets:	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	Number of items
request (including	1. 🛣 fee calculation sheet	:
declaration sheets) : 5 description (excluding	2. La Original separate power of attorney	: '
sequence listing and/or	3. original general power of attorney	:
tables related thereto) : 111	if any	
claims : 20 abstract · 1	5. statement explaining lack of signature	:
abstract : 1 drawings :	6. priority document(s) identified in Box No. VI as	:
	- item(s):	:
Sub-total number of sheets : 137 sequence listing :	7. translation of international application into	
tables related thereto :	(language): 8. separate indications concerning deposited microorganism	:
(for both, actual number of	8. Separate indications concerning deposited microorganism or other biological material	:
sheets if filed in paper form, whether or not also filed in computer readable form;	9. sequence listing in computer readable form (indicate type and number of carriers)	•
see (c) below)	(i) copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application	× .
Total number of sheets : 137	(ii) (only where check-box (b)(i) or (c)(i) is marked in left column)	1):
(b) ☐ only in computer readable form (Section 801(a)(i))	(ii) (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter	
(Section 801(a)(i)) (i) ☐ sequence listing	(iii) together with relevant statement as to the identity of the copy or	: -
(ii) tables related thereto	copies with the sequence listing mentioned in left column	:
(c) also in computer readable form (Section 801(a)(ii))	10. tables in computer readable form related to sequence listing (indicate type and number of carriers)	
(i) ☐ sequence listing (ii) ☐ tables related thereto	(i) copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international application)	•
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the	(ii) (only where check-box (b) (ii) or (c) (ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater)	•
sequence listing:	purposes of international search under Section 802(b-quater) (iii) 1 together with relevant statement as to the identity of the copy or	:
tables related thereto:	copies with the tables mentioned in left column	· :
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	11. 🗖 other (specify): .\$ub-Authorization.	: 1
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: English	
Box No. X SIGNATURE OF APPLICANT	T. AGENT OR COMMON REPRESENTATIVE	
Next to each signature, marcate the name of the person sign	gning and the capacity in which the person signs (if such capacity is not obvious from reading the	he request).
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D 11 44 toma 2004 toma	/ · · · · · · · · · · · · · · · · · · ·	
Basel, 14 June 2004 / ma	André Braun	
	For receiving Office use only	
1. Date of actual receipt of the purported	Por receiving Office use only	nae.
international application:		Ū
 Corrected date of actual receipt due to later be timely received papers or drawings completing the purported international application: 	but ·	eived:
Date of timely receipt of the required corrections under PCT Article 11(2):	not re	eceived:
5. International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid	
	For International Bureau use only	
Date of receipt of the record copy by the International Bureau:	,	
		,

This sheet is not part of and does not count as a sheet of the international application.

For receiving Office use only FEE CALCULATION SHEET International Application No. Annex to the Request Applicant's or agent's file reference P1217PCT-II Date stamp of the receiving Office Applicant Actelion Pharmaceuticals Ltd. et al CALCULATION OF PRESCRIBED FEES EUR 100,00 T 1. TRANSMITTAL FEE EUR 1.550,00 S 2. SEARCH FEE International search to be carried out by (If two or more International Searching Authorities are competent to carry out the international search, indicate the name of the Authority which is chosen to carry out the international search.) 3. INTERNATIONAL FILING FEE Where items (b) and/or (c) of Box No. IX apply, enter Sub-total number of sheets Where items (b) and (c) of Box No. IX do not apply, enter Total number of sheets EUR 1.070 i2 number of sheets additional component (only if sequence listing and/or tables related thereto are filed in computer readable form under Section 801(a)(i), or both in that form and on paper, under Section 801(a)(ii)): fee per sheet EUR 1.972,00 T Add amounts entered at i1, i2 and i3 and enter total at I (Applicants from certain States are entitled to a reduction of 75% of the international filing fee. Where the applicant is (or all applicants are) so entitled, the total to be entered at I is 25% of the international filing fee.) EUR 30,00 P 4. FEE FOR PRIORITY DOCUMENT (if applicable) EUR 3.652.00 5. TOTAL FEES PAYABLE TOTAL Add amounts entered at T, S, I and P, and enter total in the TOTAL box MODE OF PAYMENT authorization to charge deposit account (see below) postal money order cash coupons ___ cheque bank draft revenue stamps other (specify): AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACCOUNT Receiving Office: RO/ EP (This mode of payment may not be available at all receiving Offices) 28110148 Deposit Account No.: Authorization to charge the total fees indicated above. Date: 14 June 2004 / ma (This check-box may be marked only if the conditions for deposit accounts of the receiving Office so permit) Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.

Authorization to charge the fee for priority document.

Name: André Braun

Signature: